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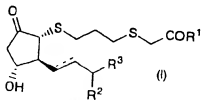
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(54) A 3,7-dithiaprostanic acid derivative

(57) A 3,7-dithiaprostanic acid derivative of the formula (I)



(wherein R¹ is OH, C1-4 alkoxy, NR⁶R⁷ (wherein R⁶, R⁷ are H, C1-4); R² is H, OH; R³ is (i) alkyl, alkenyl, alkynyl (ii) phenyl, cycloalkyl (iii) alkyl, alkenyl, alkynyl substituted by phenyl, cycloalkyl (when R² is H, alkyl, alkenyl, alkynyl in (i) or (ii) may be substituted by OH) possesses a binding activity for PGE₂ receptor (especially for EP4). Therefore they are useful for the treatment and/or prevention of immunologic diseases (autoimmune diseases, organ transplantation etc.), asthma, abnormal bone formation, neuronal cell death, liver damage, nephritis, hypertension, myocardial ischemia etc.



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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 0513

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
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		CLASSIFICATION OF THE APPLICATION (Int.Cl.8)
		C07C405/00 A61K31/557
		TECHNICAL FIELD SEARCHED (Int.Cl.8)
		C07C
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
THE HAGUE	21 Apr 11 1999	Berte, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons S: members of the same patent family, corresponding document</p>		

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ANNEX TO THE EUROPEAN SEARCH REPORT
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